

The Forever Open Road
Presented for FEHRL by Bob Collis,
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#### **The Forever Open Road**

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- The Forever Open Road Concept
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- 5 Getting Involved



#### The 5th Generation Road

- Past WOW! Factors in Road Construction?
  - 1st generation the track?
  - 2<sup>nd</sup> generation the paved road?
  - 3<sup>rd</sup> generation the smooth road?
  - 4th generation the continuous road/motorway
  - What will the 5th Generation Be Like?
- We need start to develop the 5<sup>th</sup> Generation Road!
  - Solves existing and future problems
  - Achievable through new technology
- Stakeholders need to be convinced that there's a workable concept!
  - Must be a long-term pan-European solution
  - Must have lots of costs savings and benefits
- There must be a champion to drive it forward!





## Why do we need a 5<sup>th</sup> Generation Road?

- Address GlobalChallenges
- Climate Change
- Carbon Reduction
- Energy Generation
- Global Financial Crisis





#### What should the 5<sup>th</sup> Generation Road do?

## Meet European Targets

- Safe and Secure Road Transport System
- Highly Competitive and Sustainable Products and Services
- Cleaner, Quieter and More Energy Efficient Road Transport
- Enhanced Mobility, Optimised and Efficient Seamless Systems





#### The 5th Generation Road Idea

- Takes all our existing ideas and produces one solution that will support all our future needs....
  - the Adaptable Road
  - the Automated Road
  - the Climate Change Resilient Road
- A concept that will...
  - provide an integratede system
  - be adaptable to future travel demands
  - provide low-cost automated travel
  - produce sustainable benefits
- Be Forever Open

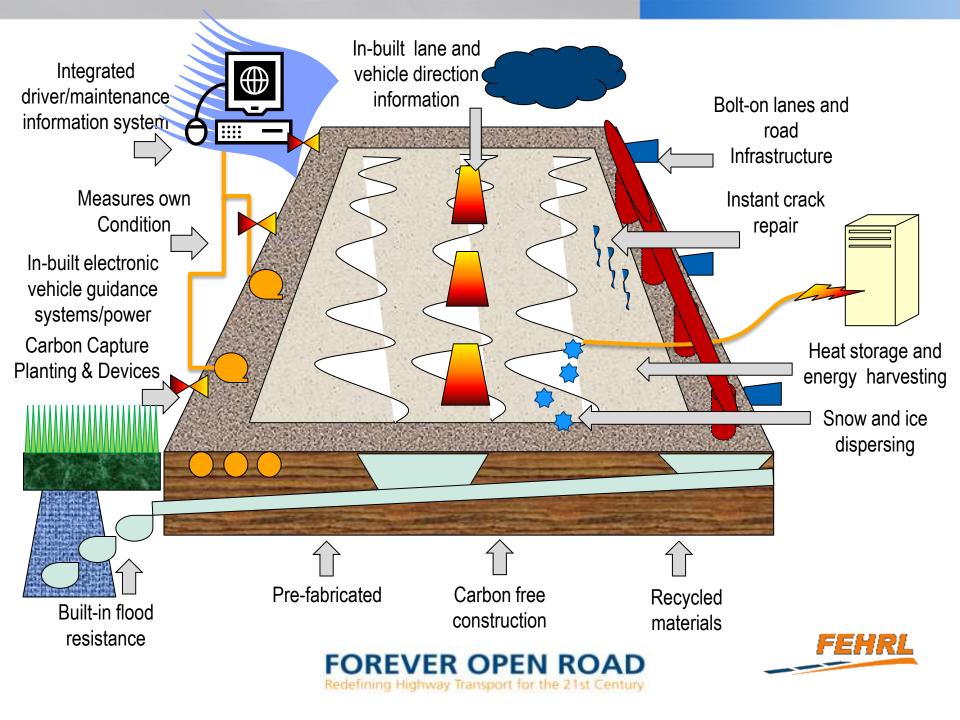












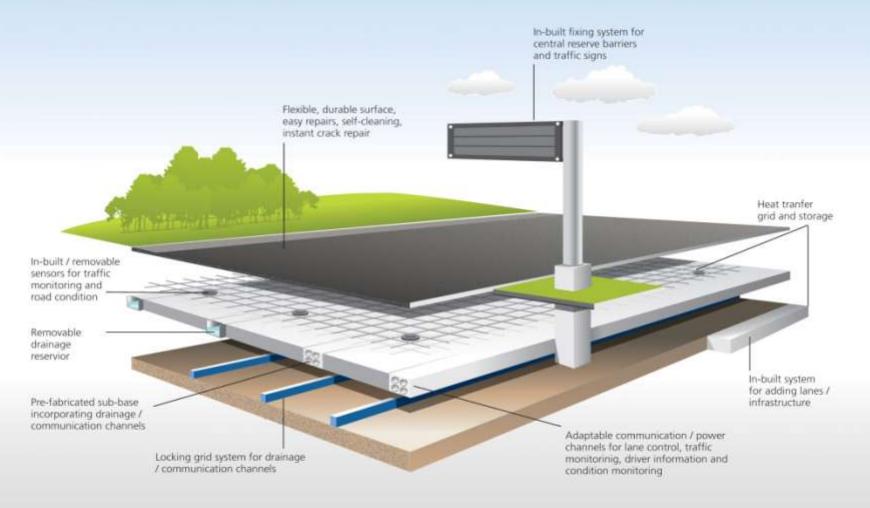
### **The Forever Open Road Concept**

- The 5<sup>th</sup> Generation Road that will be Forever Open
- With zero delays from:
  - congestion,
  - accidents,
  - roadworks,
  - maintenance.
- The Forever Open Road is a concept being developed by FEHRL
- It will meet our future road infrastructure requirements
- By being flexible and sustainable.



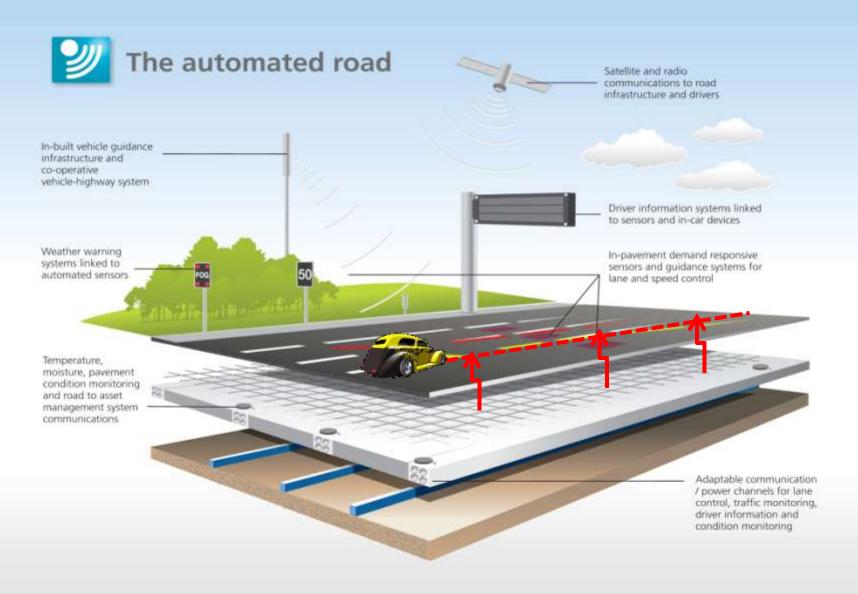


# The adaptable road



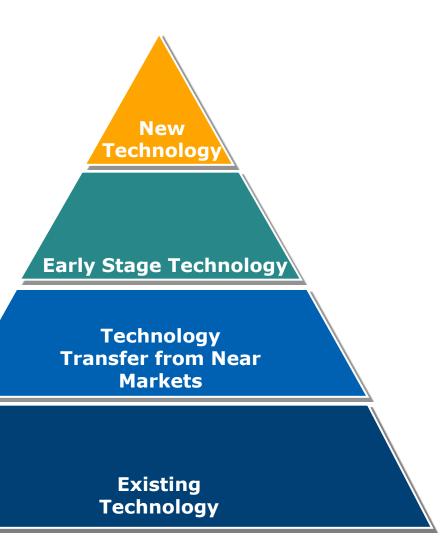
# The climate change resilient road



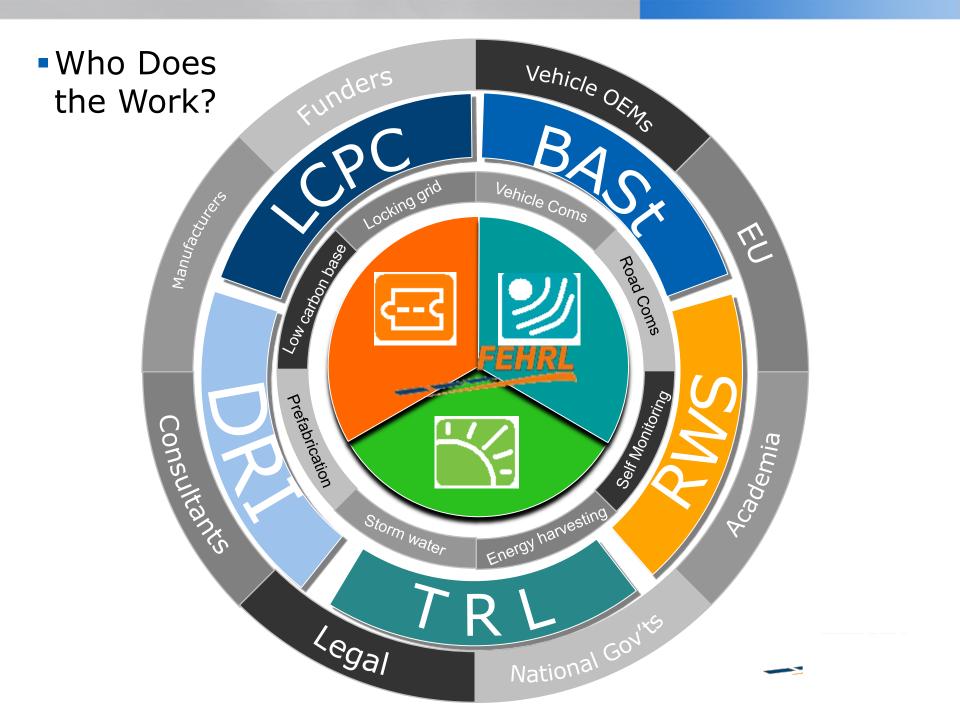


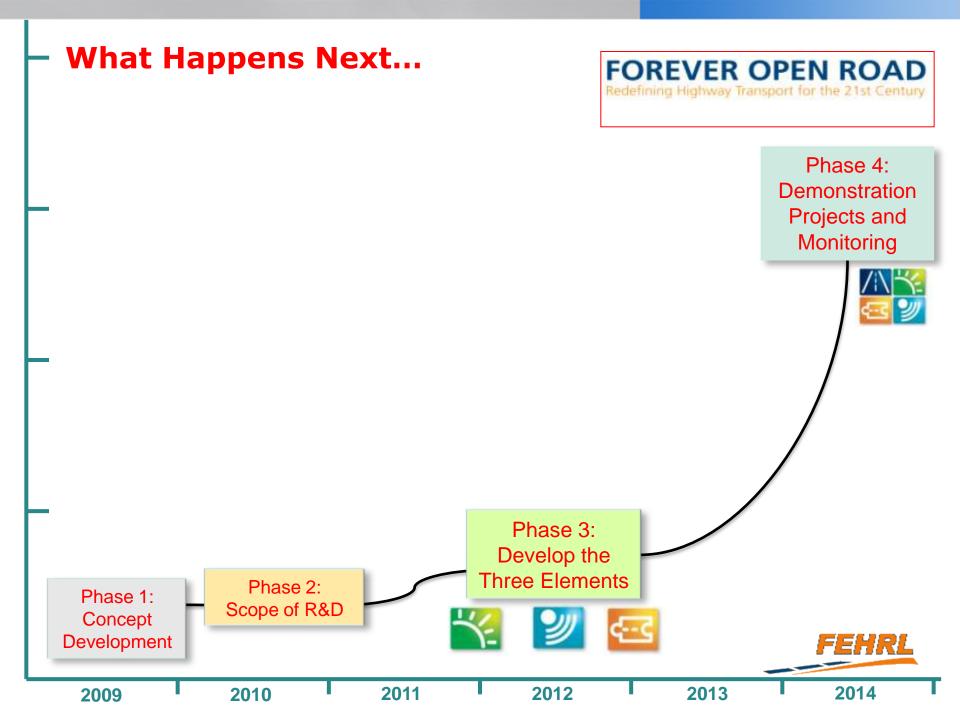
### **The Challenges**

• How Do We Make It Work?









#### **Getting Involved**

- The Programme is being taken forward by:
  - LCPC (France)
  - BASt (Germany)
  - DRI (Denmark)
  - RWS DVS (Netherlands)
  - TRL (UK)
- FEHRL is seeking support and funding from:
  - Governments
  - Academic institutions
  - Industry





# **Thank You**



